

### **REMARKS**

Claims 6-10 are now present in this application. Claims 1-5 have been cancelled. New claims 6-10 have been added. The new claims are based on the canceled claims, but have been rewritten so as to overcome the previous rejections. Favorable reconsideration of the application, as amended, is respectfully requested.

#### **Entry of Amendments**

It is respectfully submitted that the foregoing amendments do not contain new matter, nor do they raise new issues. Further, an RCE is being submitted herewith. As such, the Examiner is respectfully requested to enter the same.

#### **Rejections under 35 USC 112**

In the previous action, the examiner rejected claims 1-5 as being indefinite. A number of minor problems were pointed out, including a lack of antecedent basis. In providing new claims 6-10, the old language has been revised to eliminate these problems. Antecedent basis in particular has been provided to improve the claims. Thus, this rejection is overcome.

#### **Rejections under 35 USC 103**

In the Decision on Appeal, the rejection of claims 1-5 as being obvious over Hytonen (US 5,529,193) was not specifically decided since the claims were not clear due to the 35 USC 112 rejection. Nevertheless, the Board made it clear that the examiner's analysis of the cases related to computer claims is based on a misinterpretation. Thus, applicants submit that the previous rejection is not applicable.

Further, new claims are presented that now include a further description of the time periods involved and that the control requests are provided on a different time scale than the stored acceleration sequences. Specifically, the control requests occur 20 times more often. This arrangement is clearly not seen in the Hytonen device where the two time scales are roughly the same.

In the present invention, the control requests are given once every 5 millisecond cycle time. On the other hand, the velocity changes are performed only every 100 milliseconds, or

about every 20 cycle times. The 20 control requests for each performance of velocity changes do not have to be stored for a long time and are instead summed to avoid the need for additional storage. Thus, a compromise is achieved by having a very short time for control request, making the control very accurate, but only applying the changes over a longer period to avoid excessive storage. This concept is not seen in the Hytonen reference.

Accordingly, applicants submit that new claims 6-10 are allowable.

Conclusion

Favorable reconsideration and an early Notice of Allowance are earnestly solicited.

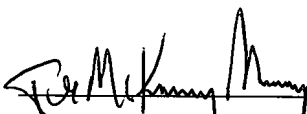
Applicants have made a diligent effort to place the claims in condition for allowance. However, should there remain unresolved issues that require adverse action, it is respectfully requested that the Examiner telephone Joe McKinney Muncy, Applicants' Attorney, at 703.621.7140 so that such issues may be resolved as expeditiously as possible.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 50-3828 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; in particular, extension of time fees.

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Respectfully submitted,

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